FIG.1

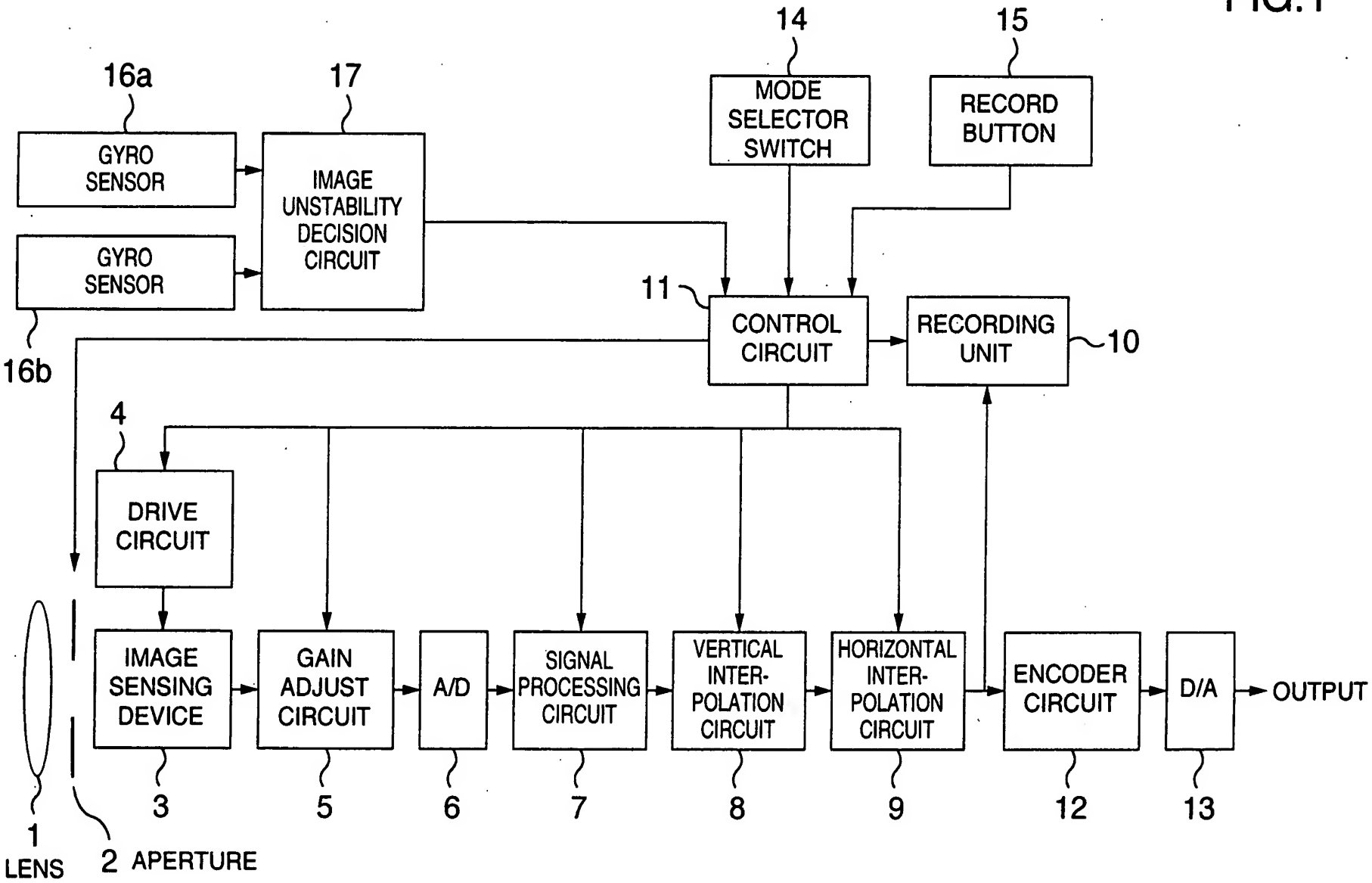

16a
17
14
15
GYRO SENSOR
IMAGE UNSTABILITY DECISION CIRCUIT
MODE SELECTOR SWITCH
RECORD BUTTON
GYRO SENSOR
16b
11
CONTROL CIRCUIT
RECORDING UNIT
10
4
DRIVE CIRCUIT
IMAGE SENSING DEVICE
GAIN ADJUST CIRCUIT
A/D
SIGNAL PROCESSING CIRCUIT
VERTICAL INTER-POLATION CIRCUIT
HORIZONTAL INTER-POLATION CIRCUIT
ENCODER CIRCUIT
D/A
OUTPUT
3
5
6
7
8
9
12
13
1
LENS
2
APERTURE

FIG.2

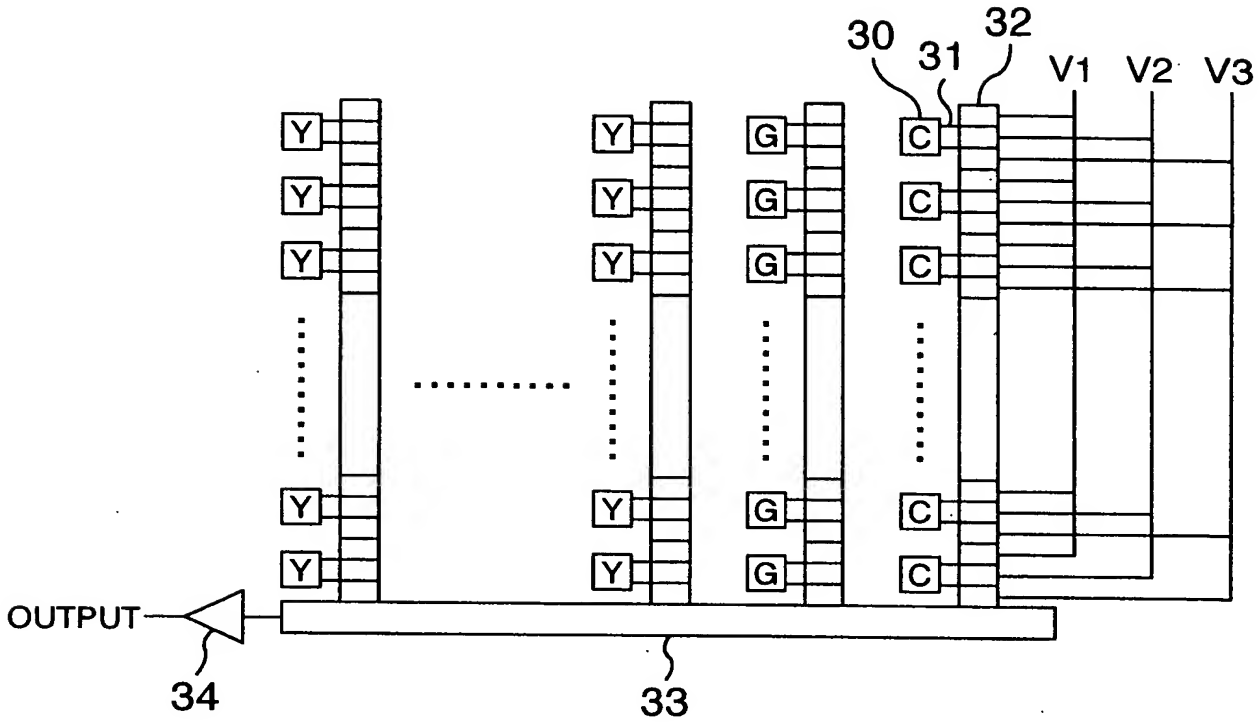

30
31
32
V1
V2
V3
Y
G
C
OUTPUT
34
33

FIG.4

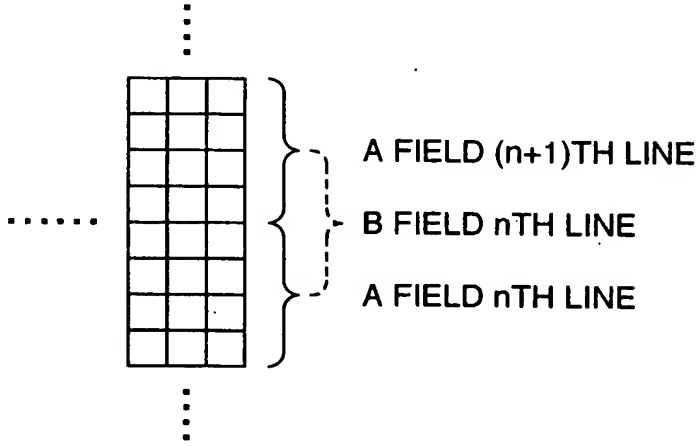

A FIELD (n+1)TH LINE
B FIELD nTH LINE
A FIELD nTH LINE

FIG.3

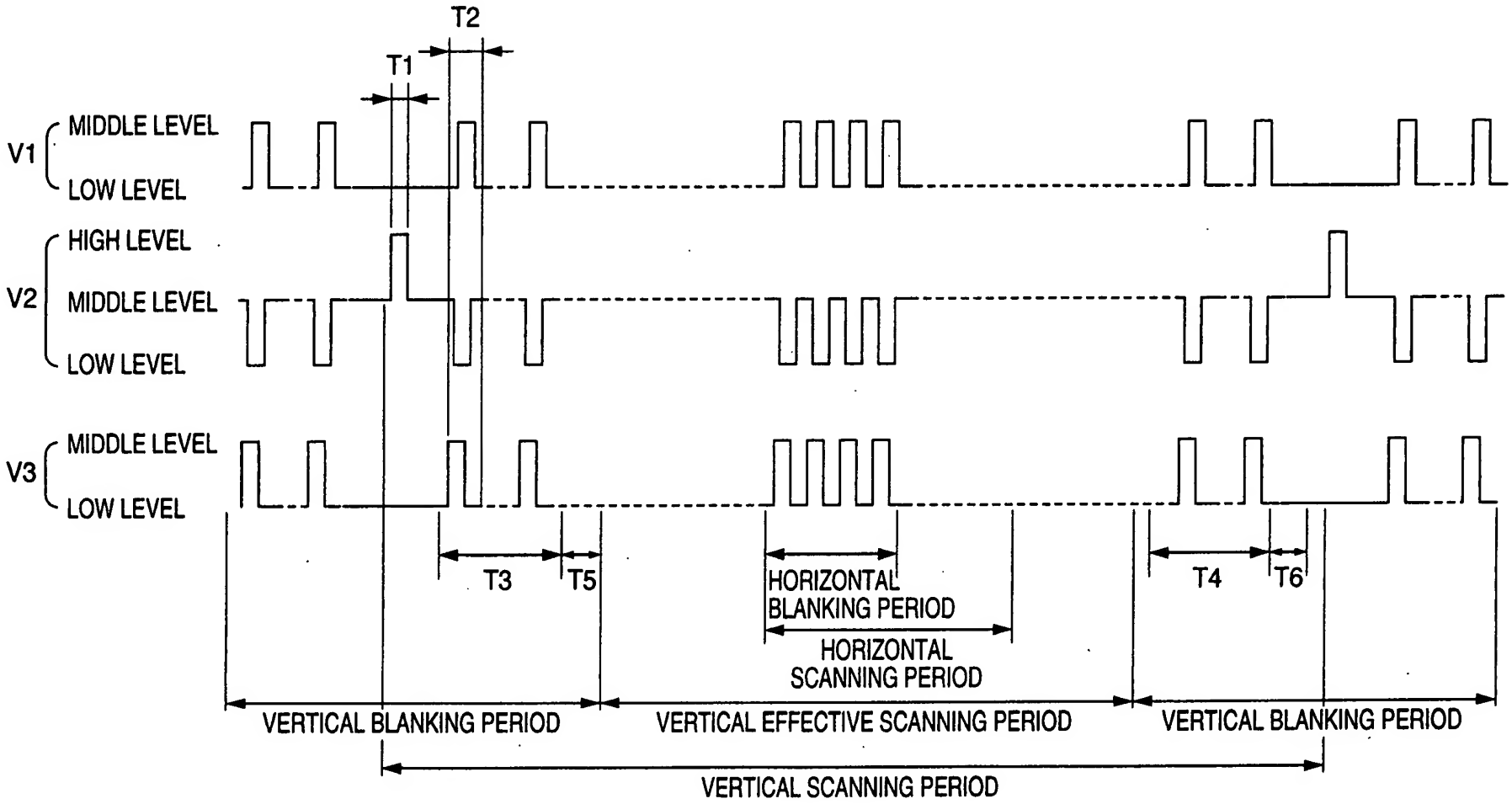

T2
T1
V1
MIDDLE LEVEL
LOW LEVEL
V2
HIGH LEVEL
MIDDLE LEVEL
LOW LEVEL
V3
MIDDLE LEVEL
LOW LEVEL
T3
T5
HORIZONTAL BLANKING PERIOD
HORIZONTAL SCANNING PERIOD
T4
T6
VERTICAL BLANKING PERIOD
VERTICAL EFFECTIVE SCANNING PERIOD
VERTICAL BLANKING PERIOD
VERTICAL SCANNING PERIOD

FIG.5

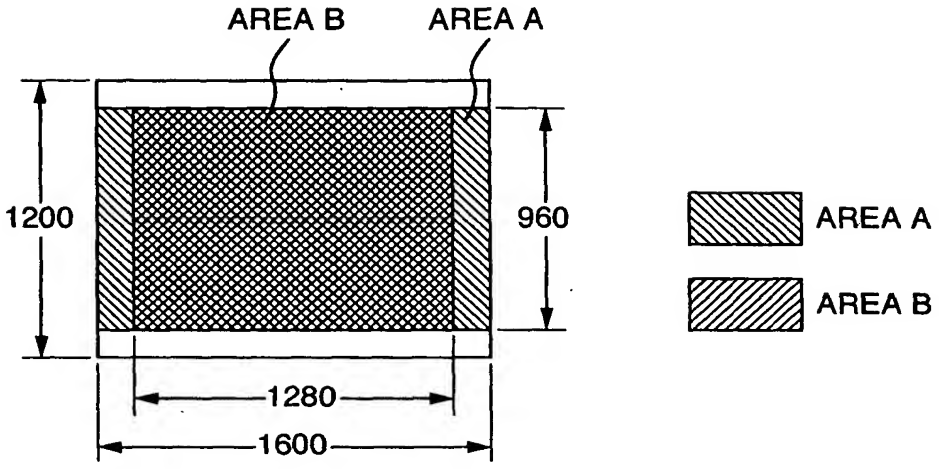

AREA B
AREA A
1200
960
1280
1600
AREA A
AREA B

FIG.6

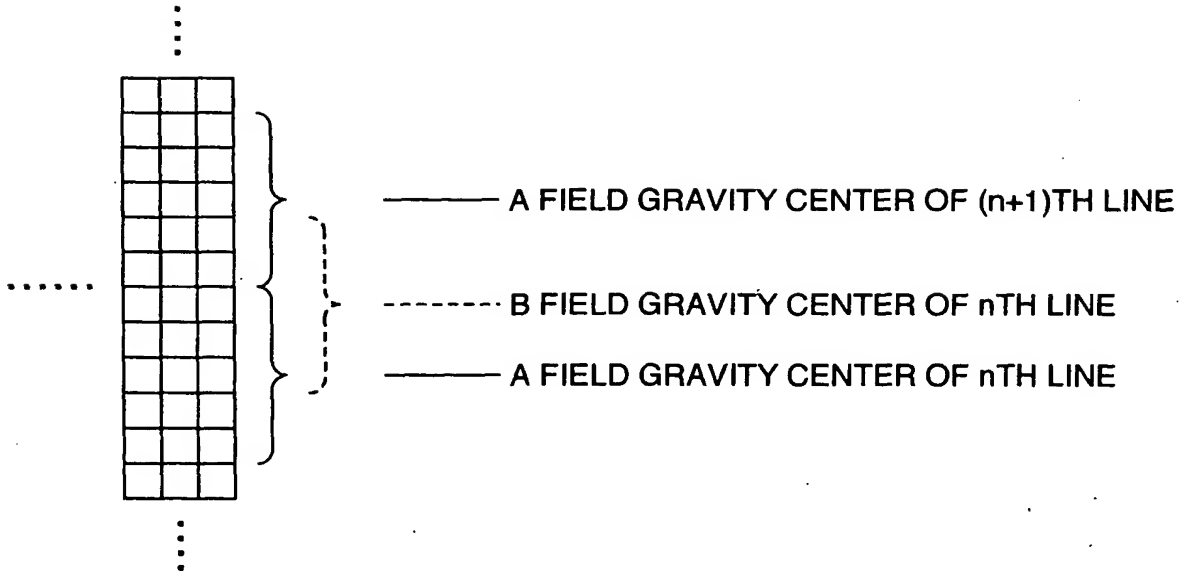

A FIELD GRAVITY CENTER OF (n+1)TH LINE
B FIELD GRAVITY CENTER OF nTH LINE
A FIELD GRAVITY CENTER OF nTH LINE

FIG.7

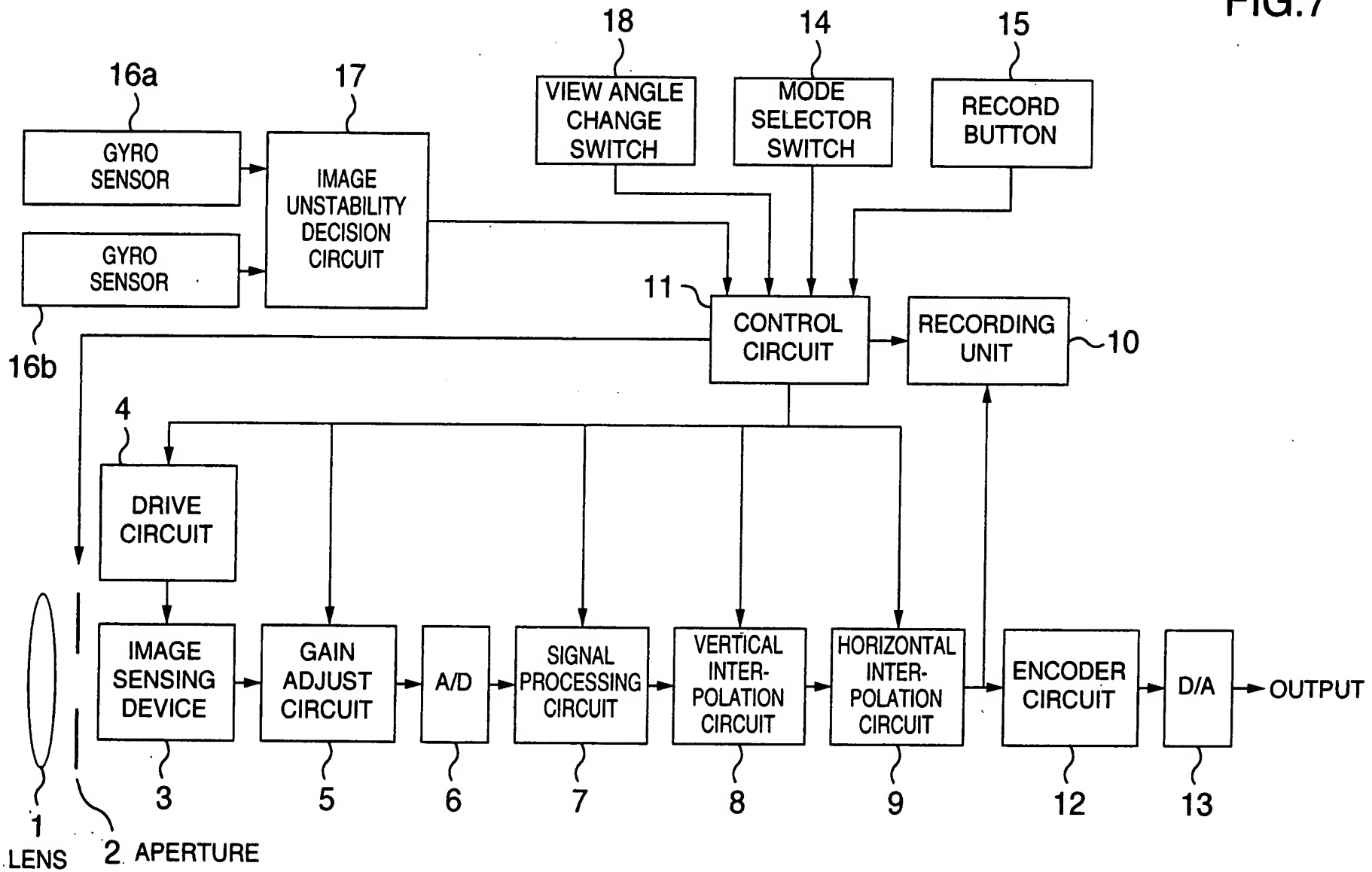

18
14
15
16a
17
VIEW ANGLE CHANGE SWITCH
MODE SELECTOR SWITCH
RECORD BUTTON
GYRO SENSOR
IMAGE UNSTABILITY DECISION CIRCUIT
GYRO SENSOR
11
CONTROL CIRCUIT
RECORDING UNIT
10
16b
4
DRIVE CIRCUIT
IMAGE SENSING DEVICE
GAIN ADJUST CIRCUIT
A/D
SIGNAL PROCESSING CIRCUIT
VERTICAL INTER-POLATION CIRCUIT
HORIZONTAL INTER-POLATION CIRCUIT
ENCODER CIRCUIT
D/A
OUTPUT
1
LENS
2
APERTURE
3
5
6
7
8
9
12
13

FIG.8

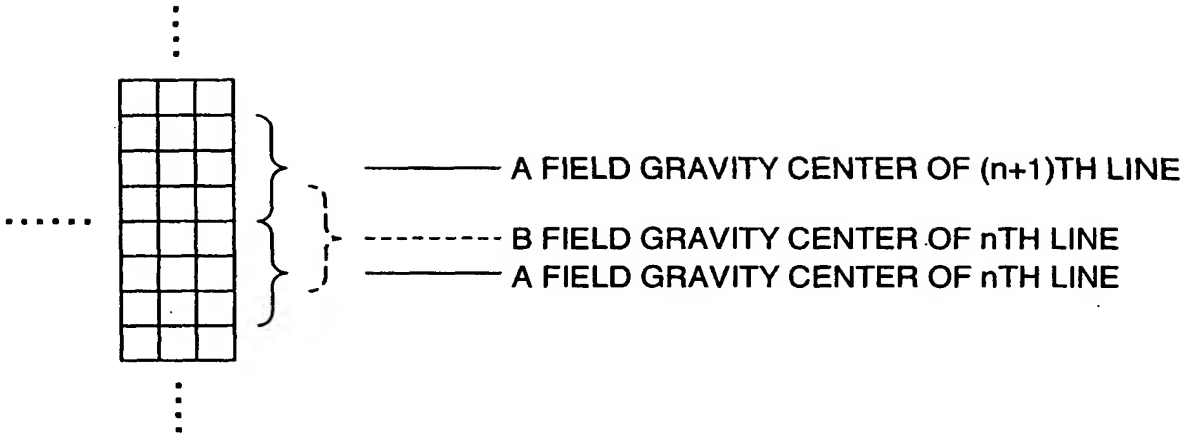

A FIELD GRAVITY CENTER OF (n+1)TH LINE
B FIELD GRAVITY CENTER OF nTH LINE
A FIELD GRAVITY CENTER OF nTH LINE

FIG.9

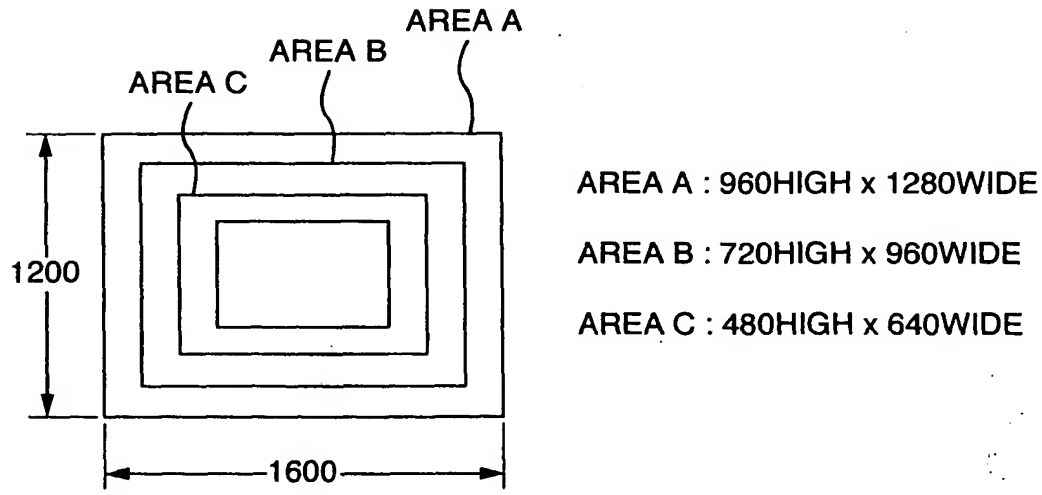

AREA A
AREA B
AREA C
1200
1600
AREA A : 960HIGH x 1280WIDE
AREA B : 720HIGH x 960WIDE
AREA C : 480HIGH x 640WIDE

FIG.10

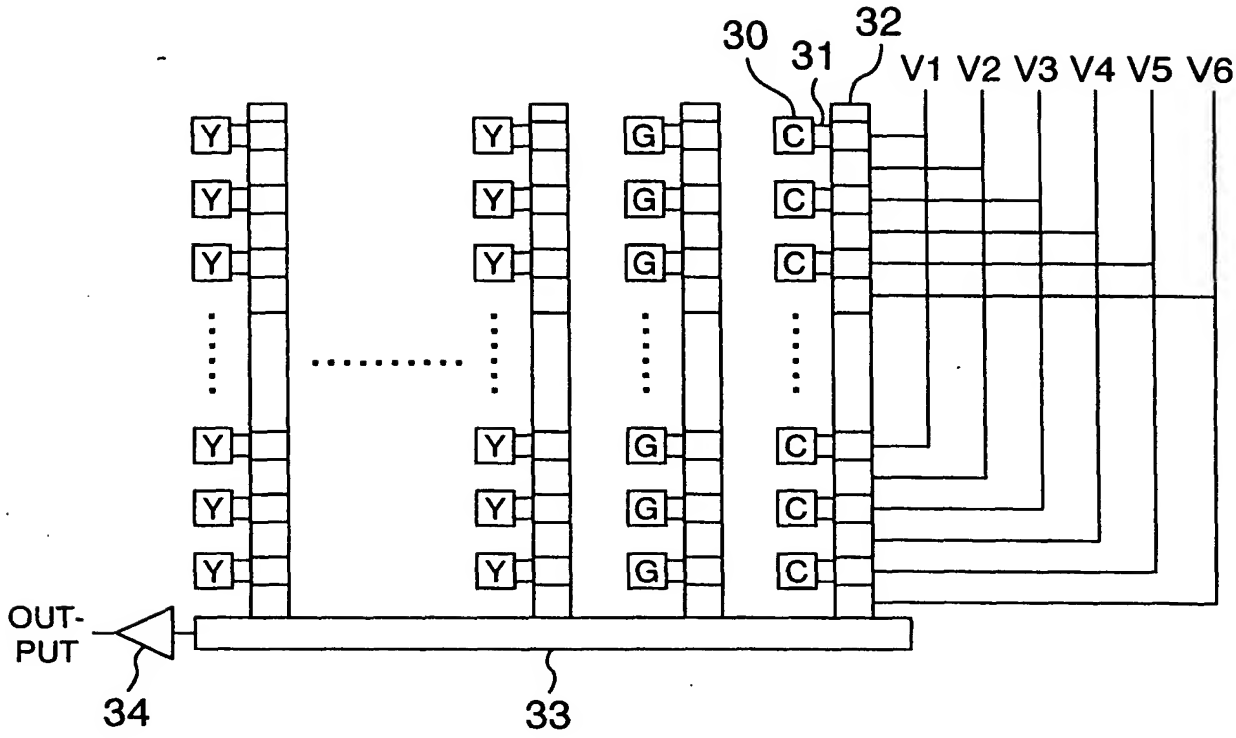


FIG.12

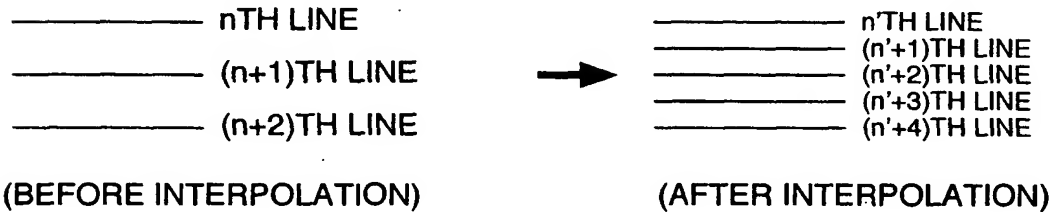


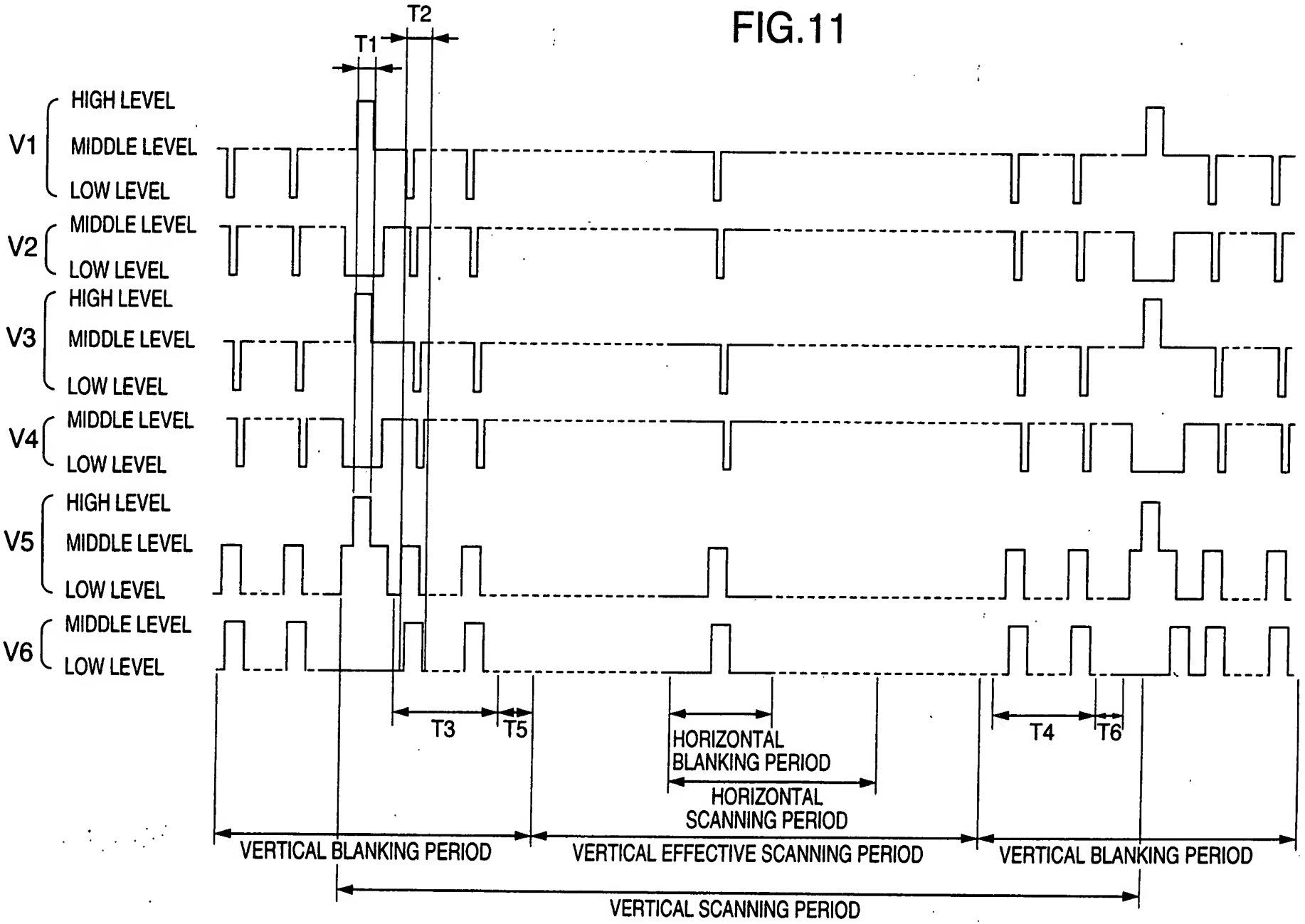
FIG.13A

Ye	W	Cy
Ye	W	Cy
Ye	W	Cy
Ye	W	Cy
Ye	W	Cy

FIG.13B

R	G	B
R	G	B
R	G	B
R	G	B
R	G	B

FIG.11


T2
T1
V1
HIGH LEVEL
MIDDLE LEVEL
LOW LEVEL
V2
MIDDLE LEVEL
LOW LEVEL
V3
HIGH LEVEL
MIDDLE LEVEL
LOW LEVEL
V4
MIDDLE LEVEL
LOW LEVEL
V5
HIGH LEVEL
MIDDLE LEVEL
LOW LEVEL
V6
MIDDLE LEVEL
LOW LEVEL
T3
T5
HORIZONTAL
BLANKING PERIOD
HORIZONTAL
SCANNING PERIOD
T4
T6
VERTICAL BLANKING PERIOD
VERTICAL EFFECTIVE SCANNING PERIOD
VERTICAL BLANKING PERIOD
VERTICAL SCANNING PERIOD